ABSTRACT OF THE DISCLOSURE

A multi-track speech synthesizer comprises a plurality of
volume control units, a plurality of signal transform units, a
plurality of current switch units, a comparison unit and a current
output unit.   Each current switch units includes a pair of
complementary outputs to send out a current with its zero point at
zero, and the output terminals of the current switch units are
directly coupled together to form two connected output terminals.
The comparison unit compares the voltages of the connected output
terminals and then sends out a control signal to control the current
output unit.   Under the control of the control signal, the current
output unit sends out a current of push-pull type with direct
connection.   Due to the zero point of the current from the current
switch unit at 0, the direct current component by the direct
connection will not be accumulated, thereby reducing the power
consumption in comparison with traditional DAC multi-track
speech synthesizers with (wire OR) direct connection.